

Fig. 1

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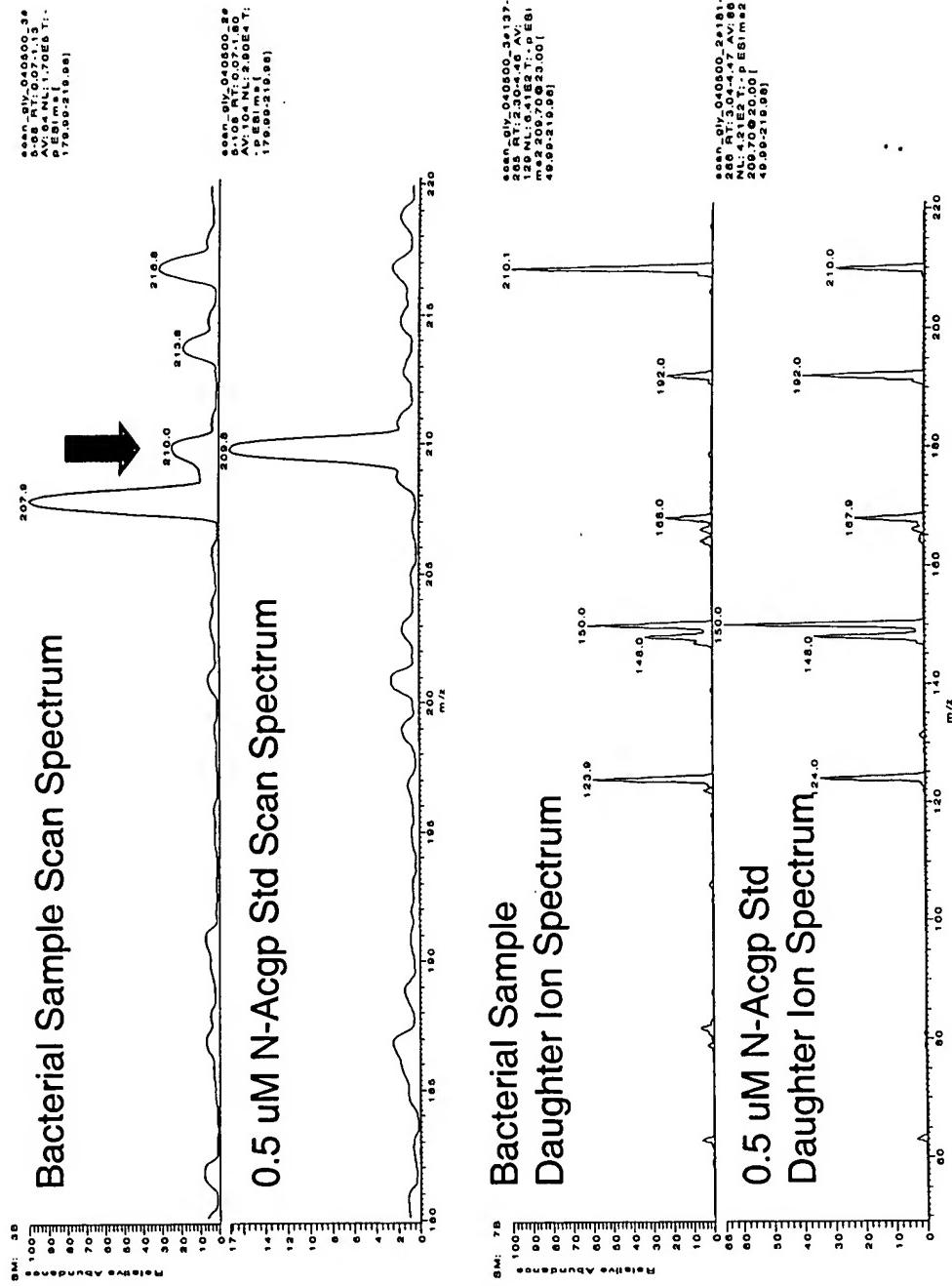


Fig. 2

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Nucleotide identity between sequence pairs

| | B6 | DS3 | ST401 | NHA-2 | NH5-2 | yitl |
|-------|-----|------|-------|-------|-------|------|
| B6 | *** | 95.0 | 93.2 | 94.8 | 92.8 | 62.0 |
| DS3 | | *** | 95.5 | 99.8 | 95.0 | 61.8 |
| ST401 | | | *** | 95.2 | 99.5 | 62.4 |
| NHA-2 | | | | *** | 94.8 | 61.5 |
| NH5-2 | | | | | *** | 62.9 |
| yitl | | | | | | *** |

Fig. 3

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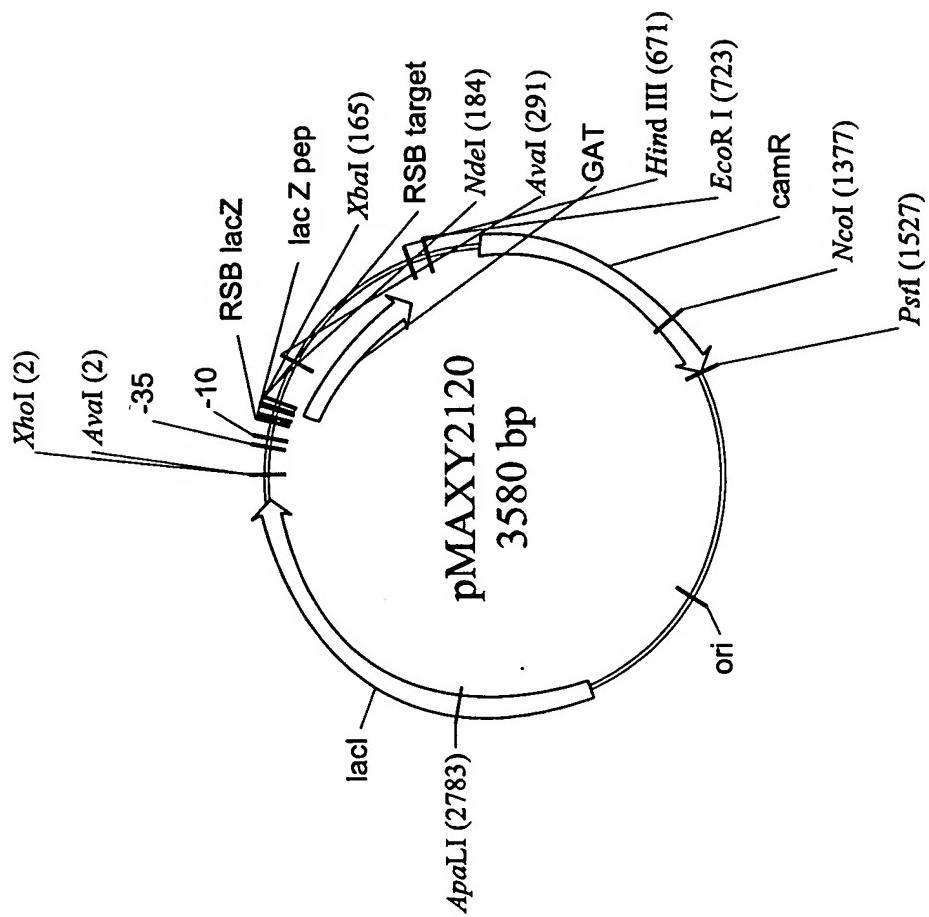
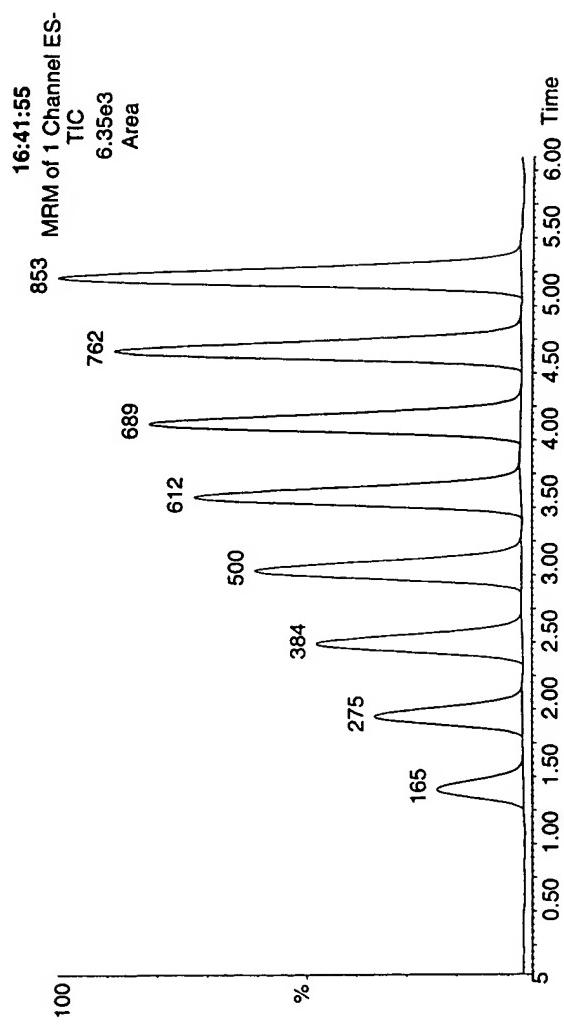


Fig. 4

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Purified B6 GAT catalyzes
N-acetylglutamate production

Fig. 5

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B6 GAT K_M for Acetyl CoA = 2 μM

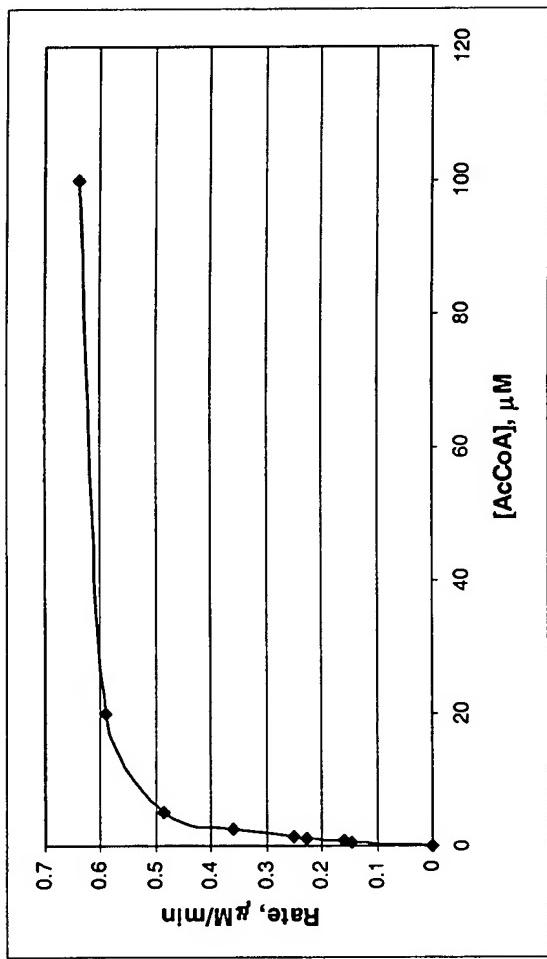
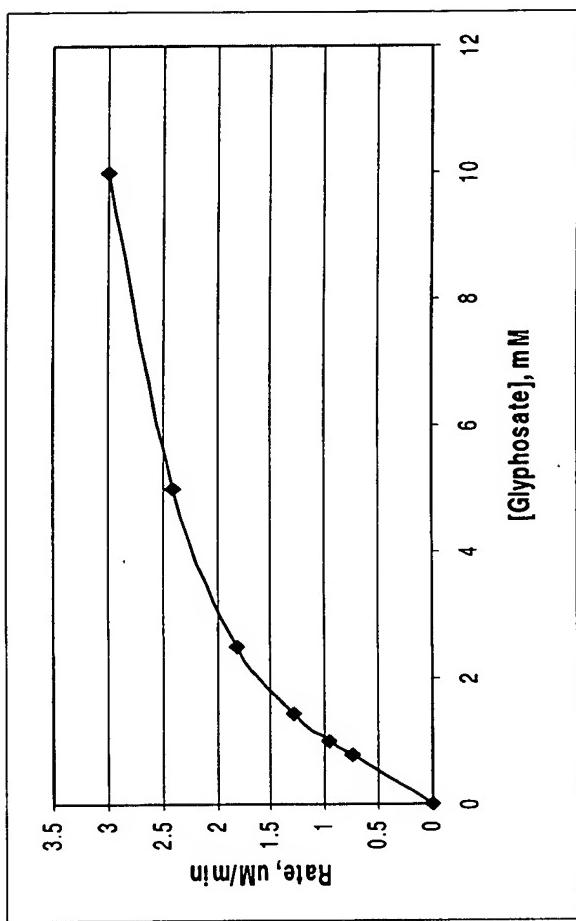


Fig. 6

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B6 GAT K_M for glyphosate = 2.9 mM

Fig. 7

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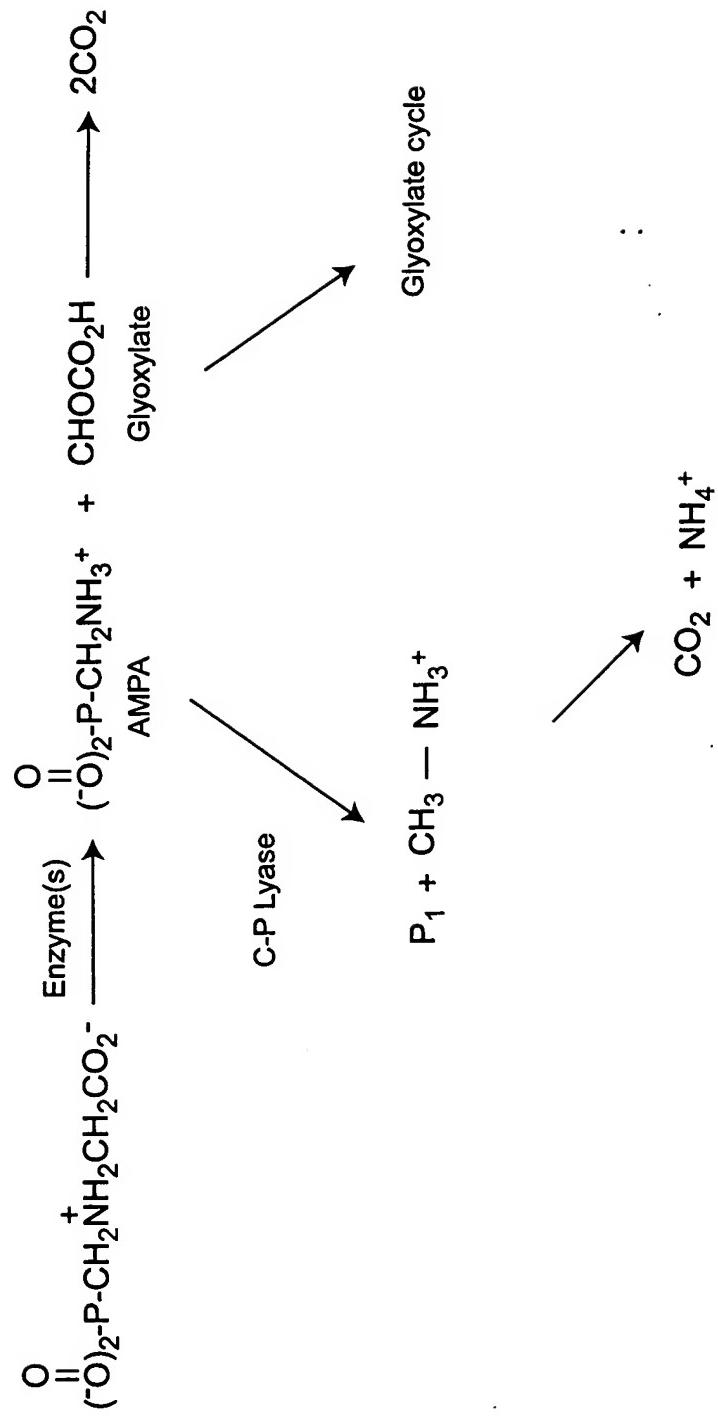


Fig. 8

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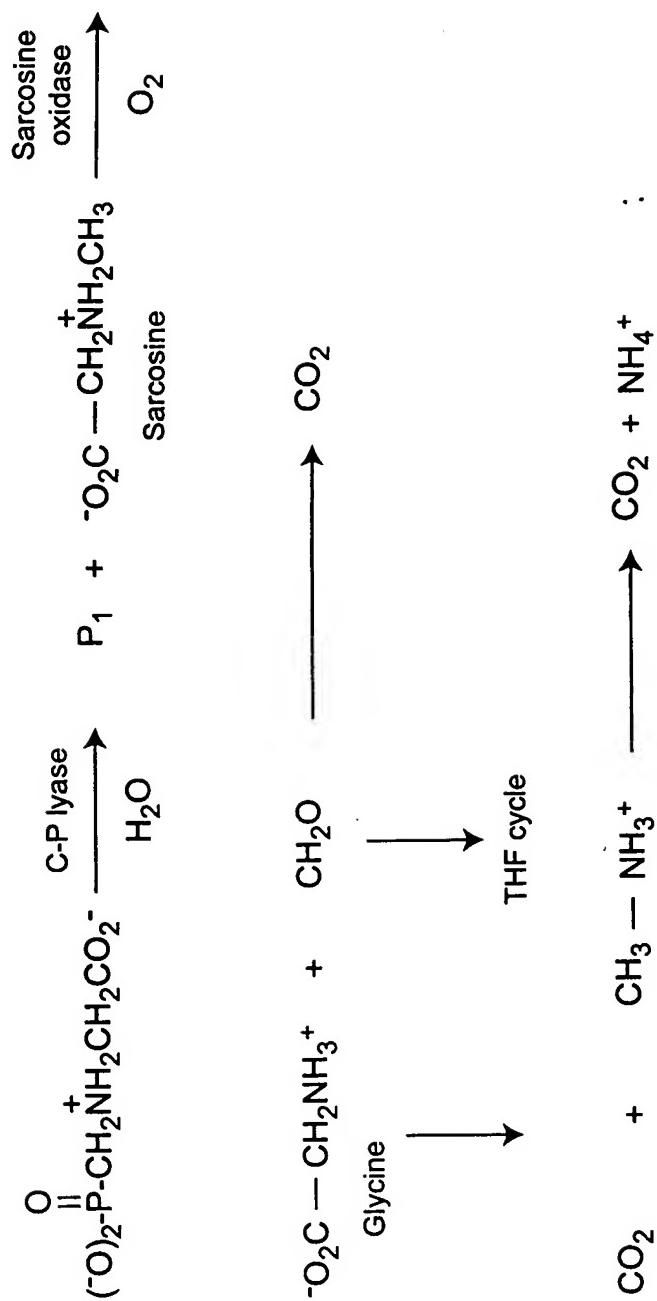


Fig. 9

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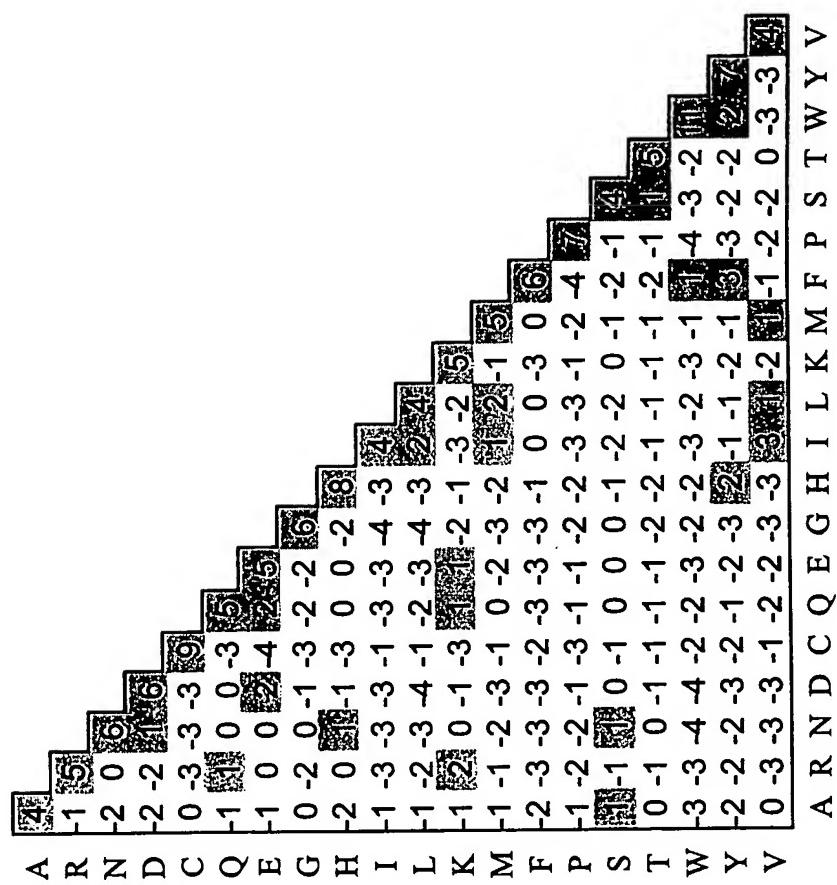


Fig. 10

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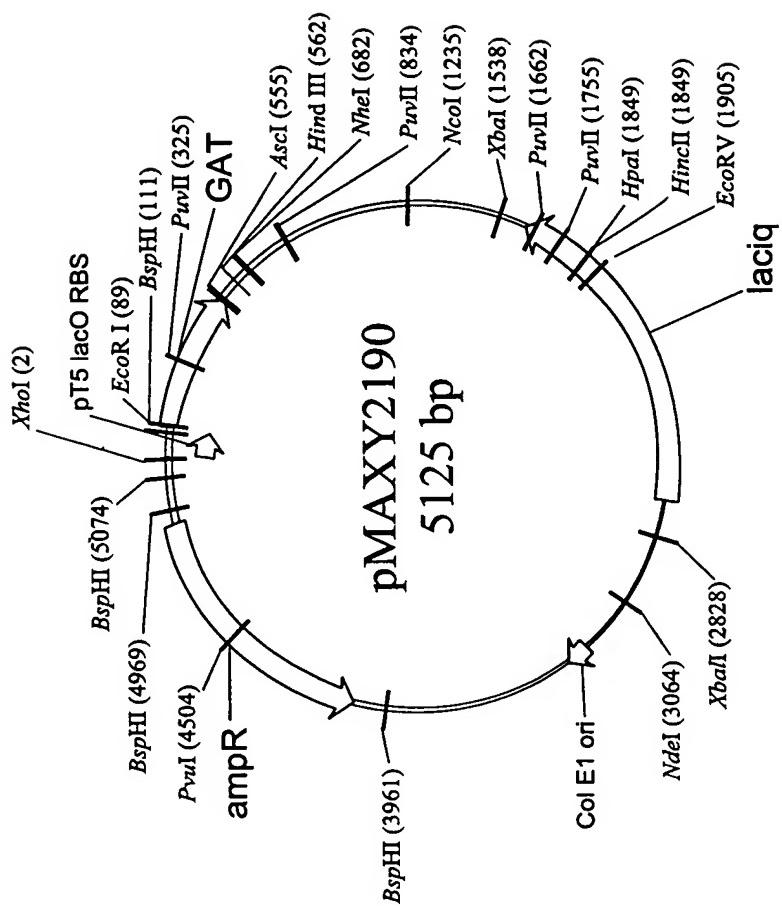


Fig. 11

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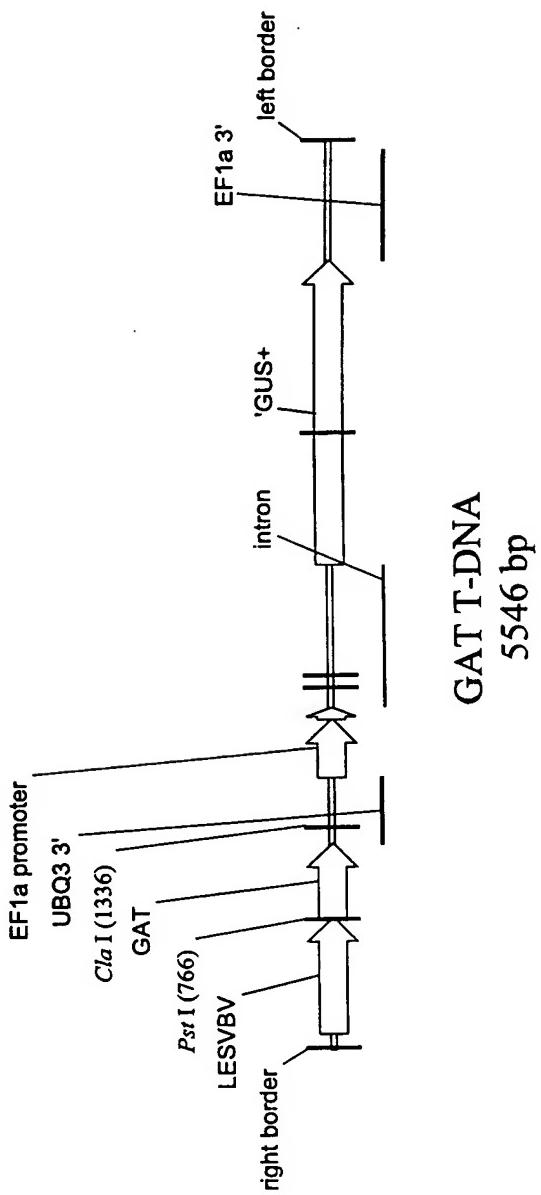


Fig. 12

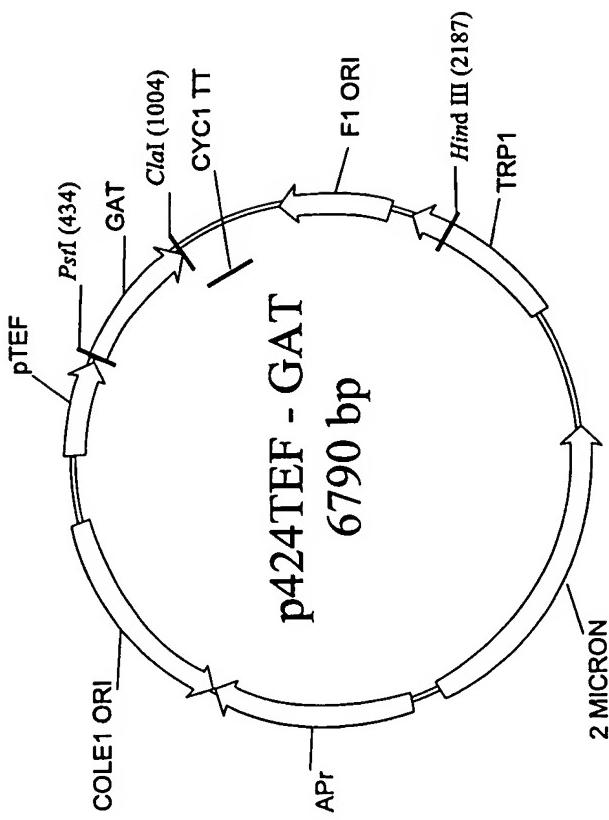


Fig. 13